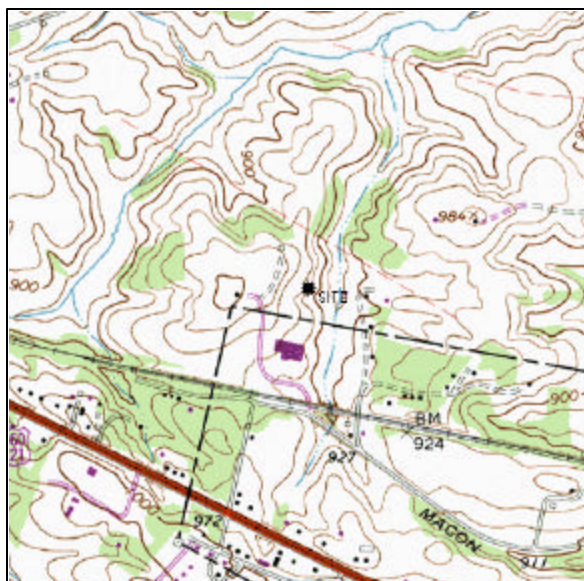


Region 3 GPRA 2005 Baseline RCRA Corrective Action Facility

WHEELABRATOR CORPORATION LANDFILL

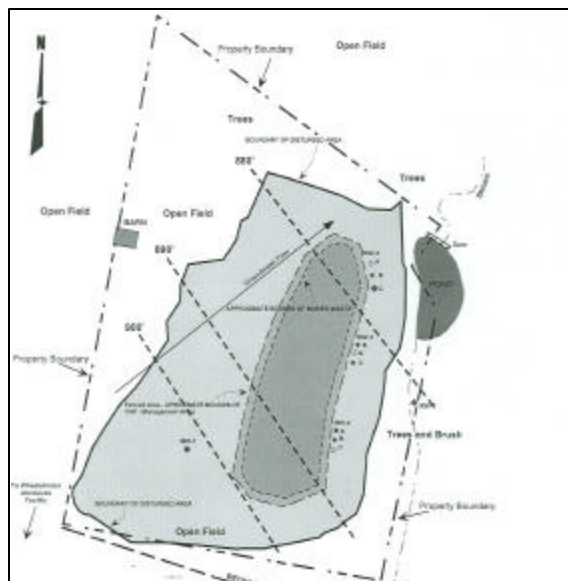
**3 Abrasive Avenue
Bedford, VA 24523
Congressional District 5
EPA ID No.: VAD000063669
Updated: January 4, 2008**

Topographic Site Map



Bedford, VA USGS Quadrangle (1967, Photorevised 1985),
Scale = 1:275

Partial Site Map



Scale = 1:2,000

Current RCRA CA Activities

RCRA Corrective Action (CA) activities at the Wheelabrator Corporation facility are being conducted under the direction of the Virginia Department of Environmental Quality (DEQ). The CA investigations and any necessary clean up activities are being implemented in accordance with the conditions and requirements of the Hazardous Waste Management Post-Closure Permit (Permit).

The Virginia Department of Environmental Quality (DEQ) issued a renewal of the facility's Hazardous Waste Management Post-Closure Permit on July 17, 2003. The Permit encompasses one Solid Waste Management Unit (SWMU), the closed land fill.

Two additional potential SWMUs, Pond #2 and Pond #3, were identified during subsequent site investigation activities. On September 26, 2006, the DEQ's review of the SWMU Release Assessment report indicated that there was enough data to support the closure of Pond #2 and

Pond #3. Therefore, no further action is required at Pond #2 and Pond #3.

Site Description

Wheelabrator Corporation Landfill (Wheelabrator) is a 2.7 acre landfill located on approximately 13 acres of land approximately two miles northwest of the Town of Bedford, Bedford County, Virginia. An unnamed stream, a tributary to Little Otter River, is located along the eastern portion of the landfill site.

Wheelabrator, currently owned by USA Waste of Virginia Landfills, Inc., was used for the disposal of furnace dust and furnace slag generated from secondary steel smelting operations conducted at the adjacent Wheelabrator Abrasives foundry. The foundry, located to the south of the landfill, melted scrap metal in an electric furnace to produce steel “shot”. Furnace dust and furnace slag was disposed of in the landfill until 1985. The landfill, which operated for 16 years, was closed with waste in place in 1992.

RCRA CA Milestones

To date, the following Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) milestones have been completed at this facility:

- On June 28, 1989, the RCRA Facility Assessment (RFA) was completed.
- On December 1, 1991, the facility was ranked as a “high” priority site according to the National Corrective Action Prioritization Schedule (NCAPS).
- On September 29, 1992, the initial Hazardous Waste Management Post-Closure Permit became effective until September 29, 2002.
- On November 26, 2001, the *Current Human Exposures Under Control* Environmental Indicator was met.
- On November 26, 2001, the *Migration of Contaminated Groundwater Under Control* Environmental Indicator was met.
- On July 17, 2003, the Hazardous Waste Management Post-Closure Permit renewal became effective until July 17, 2013.
- On April 20, 2004, the SWMU Release Assessment report was submitted.
- On September 26, 2006, the DEQ determined that no further action was required at Pond #2 and Pond #3.
- On October 5, 2007, the DEQ issued Technical Review Comments concerning the 2007 Sampling Year First Semi-Annual Groundwater Quality Monitoring Report and Alternative Source Demonstration.

- On December 18, Class 1 Modification for the Permit, request by the Permittee on November 19, 2007, was approved by the Department. The Modifications include:
 - 1) Removing Arsenic, Cadmium, Mercury, Nickel, Silver, Cyanide, Antimony, Beryllium, Thallium and Acetophenone from the Compliance Monitoring List.
 - 2) Updating the Groundwater Protection Standard (GPS) for Vanadium from 109.0 to 15.65 mg/l
 - 3) Changing the (GPS) for sulfide from 1,000 to 1,600 mg/l
 - 4) Changing the analytical method for Hexachloropropene to LC/MS/MS Technique.
 - 5) Changing the PQLs for p-Phenylenediamine and trans-1,4-Dichloro-2-butene from 10.0 and 1.0 to 800 and 5.0 mg/l, respectively.

Details and supporting documentation regarding the above can be obtained by reviewing the files at DEQ's Central Office or by contacting the DEQ project manager identified in this fact sheet.

Environmental Indicator Status

Under the Government Performance and Results Act (GPRA), the Environmental Protection Agency (EPA) set national goals to address high priority RCRA CA facilities by the year 2008. EPA evaluates two key indicators for each facility: *Current Human Exposures Under Control* and *Migration of Contaminated Groundwater Under Control*. This facility is one of EPA Region 3's high priority facilities and falls under the GPRA initiative.

The current Environmental Indicator Status for this facility is:

- *Human Exposures Controlled Determination:* The DEQ has made the EI determination of "yes", that current human exposures are under control." The above determination is based upon the DEQ's Current Human Health Environmental Indicator (HHEI) Determination Report, dated November 26, 2001. This above HHEI determination is considered current, effective January 4, 2008.
- *Release to Groundwater Controlled Determination:* The DEQ has made the EI determination of "yes, that migration of contaminated groundwater is under control," based upon the review of CA information for the site contained in the EI determination Report, dated November 26, 2001. The above EI determination indicates that migration of contaminated groundwater is believed to be under control, and that monitoring will be conducted to confirm that contaminated groundwater remains with the "existing are of contaminated groundwater." This EI determination is considered current, effective January 4, 2008.

Contaminants

The primary contaminants of concern in the soil and groundwater include arsenic, barium, cadmium, chromium, cyanide, lead, mercury, nickel, and silver.

Institutional Controls

On July 17, 2003, the Hazardous Waste Management Post-Closure Permit renewal became effective; the Permit has an expiration date of July 17, 2013. The post-closure care period and groundwater monitoring for this site is to continue until 2022. The above Permit requires post-closure care, groundwater monitoring, and CA.

A Deed Notice is in place identifying the location of the closed hazardous waste landfill.

Community Involvement

A copy of all documents relating to the RCRA CA program at this facility are available for viewing at DEQ's Central Office located at 629 East Main Street in Richmond, Virginia. Additionally, public review can be conducted at:

Bedford Central Library
321 North Bridge Street
Bedford, VA 24523
Attn: Reference Desk
Phone: (540) 586-8911

The documents may be reviewed during normal library hours: Monday, Wednesday, Friday, and Saturday, 9:00 AM – 5:30 PM; Tuesday and Thursday; 9:00 AM – 8:00 PM; and Sunday, 1:30 PM – 5:30 PM (Labor Day through Memorial Day). For more information about the library's operations, please visit the library's website at:
<http://www.library.bedford.va.us/about/central.html>.

Government Contacts

The Commonwealth of Virginia is the lead authority for this project. Please contact the DEQ project manager listed below for details on this project or the contents of this factsheet.

DEQ Project Manager

Fuxing Zhou
Virginia Department of Environmental Quality
P.O. Box 1105
Richmond, VA 23218
Phone: (804) 698-4126
Email: fzhou@deq.virginia.gov

EPA Project Manager

Mr. Michael Jacobi – 3WC23
USEPA – Region 3
1650 Arch Street
Philadelphia, PA 19103-2029
Phone: (215) 814-3435
Email: jacobi.mike@epa.gov

For more information about EPA's CA program, including Environmental Indicators, please visit EPA's website at: www.epa.gov/reg3wcmd/correctiveaction.htm.

Facility Contact

The facility contact, as listed in the RCRA Permit, is:

Mr. March Smith
Director of Closed Sites
Waste Management, Inc.
Southern Area Office
2859 Paces Ferry Road, Suite 1600
Atlanta, GA 30339
Phone: (770) 805-3520
Email: msmith4@wm.com

Fact Sheet Update

The previous fact sheet was updated July 2007. The next fact sheet update is scheduled for July 2008. Previous fact sheets may be obtained through the DEQ contact.